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## *Memorandum*

TO: BAIFA

DATE: December 11, 2013

FR: Deputy Executive Director, Operations

W.I.: 6840

RE: Express Lane Network: Contract Amendment – Express Lanes Network Phase 1 Project  
 Approval/Environmental Document: HDR, Inc. (\$950,000)

This memorandum seeks for Committee approval of a contract amendment with HDR, Inc. (HDR) in an amount not to exceed \$950,000 to complete project approval/environmental document (PA/ED) for Phase 1 of the Network.

### Background:

In January 2011, the BATA Oversight Committee authorized the Executive Director to enter into on-call construction management and project design services contracts with a total of 11 firms, of which nine were selected to focus on project design services. This on-call panel is also available to BAIFA for design services. The Phase 1 PA/ED project was awarded to HDR, based on an informal solicitation of qualified firms on the on-call bench. The current HDR contract scope includes \$8,000,000 for completion of PA/ED for conversion of existing HOV lanes to express lanes on: I-680 in Contra Costa County between Rudgear Road and Alcosta Boulevard; I-880 in Alameda County between Hegenberger Road and Dixon Landing Road and the westbound approaches to the San Mateo, and Dumbarton, and Bay bridges. The original contract scope anticipated a single environmental document for these segments. As described in the previous memo, staff has now decoupled the segments in environmental review to allow I-680 to proceed on a faster schedule. Consistent with a core principle to expedite delivery of the express lanes program, the contract includes certain activities that would typically be undertaken in a subsequent design stage, such as completing detailed mapping and 35% design.

Staff is now requesting additional funds in an amount of \$950,000 from the Express Lane Capital Project Budget, as adopted in the FY2013-14 Toll Bridge Program Operating and Capital Budget. Approximately half of this reflects additional efforts to expedite delivery, consistent with the contract intent and including:

- Advance early planning and design for electrical services.
- Corridor layouts and support for the Toll System Integrator procurement. Since the procurement is concurrent with project approval and environmental review, these layouts do not reflect final PA/ED design; HDR will need to produce a second set to complete PA/ED.
- Environmental revalidation for details that may change as a result of the toll system integrator's design solution, the backhaul communications network and final civil design. This is mostly for I-680, which is the farthest ahead.

Approximately half of the requested budget reflects a proposed increased level of effort associated with unanticipated complexity of original contract tasks. These include:

- Traffic operations analysis for I-880. The large number of bottlenecks and high levels of congestion proved more difficult than expected to represent correctly in the traffic operations model. Based on this experience, we have revised our expected level of effort for the remaining analysis.
- Additional environmental and engineering analysis due to revisions in the I-880 design based on traffic analysis.
- Analysis, preliminary design and environmental analysis of highway lighting, which is a scope addition under consideration based on Caltrans analysis and evolving policy.

Recommendation

Staff recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with HDR in an amount not to exceed \$950,000 to complete project approval/environmental document (PA/ED) for Phase 1 of the Network.



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Andrew B. Fremier

AF: LK

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**REQUEST FOR BAIFA APPROVAL**  
**Summary of Consultant Contract Amendment**

Work Item No.:	6840
Consultant:	HDR, Inc., Walnut Creek, CA
Work Project Title:	Express Lanes Network Phase 1 Project Approval/Environmental Document (PA/ED)
Purpose of Project:	Assist MTC to complete PA/ED for Phase 1 projects
Brief Scope of Work:	Prepare Project Report and environmental documentation to obtain approval under Caltrans project development procedures and NEPA/CEQA. This includes preliminary design up to an equivalent of 35%, preparation of documentation for the Toll System Integrator procurement, and environmental revalidation based on future design refinements.
Project Cost Not to Exceed:	\$950,000 (this amendment) Total Contract before this amendment: \$8,000,000 Total Authorized Contract after this amendment: \$8,950,000
Funding Source:	BATA Express Lane Funds
Fiscal Impact:	Funding is included in the Express Lane Capital Project Budget, as adopted in the FY2013-14 Toll Bridge Program Operating and Capital Budget (BATA Resolution No. 106).
Motion by Authority:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with HDR, Inc. to provide the consulting services described above and in the Executive Director's memorandum dated December 4, 2013, and the Chief Financial Officer is directed to set aside funds in the amount of \$950,000 for such amendment.
BAIFA:	<hr/> Amy Rein Worth, Chair
Approved:	Date: December 18, 2013